**Homework 71H** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**Surface Area and Volume of Prisms** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work will result in a LaSalle.**

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| 1) Use the pentagonal prism below to find: | 2) Use the triangular prism to answer to find: | | 3) Use the triangular prism to answer to find: |
| a. Surface area | a. Surface area | | a. Surface area |
| b. Volume | b. Volume | | b. Volume |
| 4) A hotel convention hall is made by attaching four-equal sized square meeting rooms around the edge of a large square conference room. The large room has an area of 144ft2 and each small room has as area of 49ft2. What is the perimeter of the convention hall? | | 5) At each vertex of the figure below, the sides meet each other at right angles. The lengths of the sides are measured in inches and their lengths are shown on the figure. Find the ***perimeter*** of the figure. | |